

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 11/13/2020 09:40 AM
Cytometer Baseline: 02/04/2020 09:45 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80996 **Expiration Date:** 04/30/2020 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125403	0	2.77	125451	2.76
Blue	F	SSC	125000	125362	0	1.65	126118	1.69
Blue	E	FITC	15892	15474	-3	2.95	336	21.18
Blue	D	PE	29999	29257	-3	1.99	638	15.42
Blue	B	PerCP-Cy5-5	43732	43481	-1	3.87	1166	22.10
Blue	A	PE-Cy7	30845	30796	-1	6.69	583	44.15
Red	C	APC	46112	45160	-3	2.51	1597	12.28
Red	A	APC-Cy7	30458	29282	-4	2.37	773	12.11
Violet	B	V450	7918	7650	-4	4.65	431	13.10
Violet	A	V500	32171	31624	-2	4.48	738	10.29

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17132	16.45	657	36	N/A	N/A	Pass
Blue	F	SSC	57189	1.27	588	29	N/A	N/A	Pass
Blue	E	FITC	62	64.02	555	12	0.0172	75	Pass
Blue	D	PE	134	51.50	561	13	0.1448	259	Pass
Blue	B	PerCP-Cy5-5	212	53.37	670	14	0.0075	26	Pass
Blue	A	PE-Cy7	108	109.75	716	18	0.0094	18	Pass
Red	C	APC	380	26.03	590	6	0.0240	189	Pass
Red	A	APC-Cy7	170	29.03	561	5	0.0054	897	Pass
Violet	B	V450	66	58.41	463	5	0.0522	1997	Pass
Violet	A	V500	110	31.00	479	5	0.0246	511	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 11/13/2020 09:40 AM
Cytometer Baseline: 02/04/2020 09:45 AM
P/F: Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.25	-32.03	1.00
Blue	20.37	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.41
Red	15.42	13.60 - 20.40	N/A	N/A	29.56	29.80	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9691

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments